TECHNO OPEN-Motion Controller has NC technology and Rich Motion Functions. This controller is easily implemented. For general purpose, we have Standard Packages which are suit for winding, cutting, robot and/or electric-cam. For more special applications, we customize our software in order to provide a type of operation you may request.

The applications described below are common in Precise Cutting Pack, Winding Pack, Robot Pack, and Electric Cam Pack.

- **TECHNO Standard Operation Software**
  You can use general PC software to operate all functions of OPEN-MC.

- **Stand-alone Operation**
  OPEN-MC is a stand-alone system so that it is independent on PC.

- **Standard Input/Output Control**
  OPEN-MC has the general i/o control and you can connect the operation panel for auto/manual operation.

- **TECHNO code and G code**
  Customers can easily determines the type of operations such as transferring, precise cutting or welding by G code and/or TECHNO code without consulting the special knowledge for servo-control.

  **ex. TECHNO code instructions**
  Eight lines described below command the following operations: 4-positioning, 2-judgment of input, 2-output control, timer and call of subroutine.

<table>
<thead>
<tr>
<th>TECHNO CODE</th>
<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>①PTPA X0 Y0 ;</td>
<td>move to org. (0, 0) from any position</td>
</tr>
<tr>
<td>②PTPA X1000 Y500 WRO1 ONR01 ;</td>
<td>input01 : on → stop</td>
</tr>
<tr>
<td>③TIM0.5 ;</td>
<td>input01 : off → move to (1000, 500)</td>
</tr>
<tr>
<td>④CALL SUB1 JNR02 ;</td>
<td>Pause 0.5sec.</td>
</tr>
<tr>
<td>⑤PTPA X#1000 Y#1001 TIM1.0 ;</td>
<td>Input02:ON → CALL SUB1</td>
</tr>
<tr>
<td>⑥OFR05 OFR01 ;</td>
<td>Input02 : OFF → pass to next</td>
</tr>
<tr>
<td>⑦END ;</td>
<td>move to (X, Y) and pause for a total of 1 sec</td>
</tr>
<tr>
<td>⑧CIRR X0 Y0 I100 J0 F1000 ;</td>
<td>output05/01=off</td>
</tr>
<tr>
<td>END ;</td>
<td>Program END</td>
</tr>
<tr>
<td>circle motion subroutine label</td>
<td></td>
</tr>
<tr>
<td>subroutine_END</td>
<td></td>
</tr>
</tbody>
</table>

- **Rich Motion Functions**
  - High Level Servo Technology for a multi axes machine like a NC/Robot
  - Rich Option Functions for various precise machines and special motions:
    direct NC, macro, multitask, automatic corner override, S-curve acceleration/deceleration manual pulse generator, spindle control, parallel axes, synchronization control, electric cam, torque-control, lathe, thread-cutting, position sensing, rigid tapping, tangent-control

- **Operation by original application software & Merit of Open Software Interface (IF)**
  Software IF is open so that EXCEL or general software is allowed to operate OPEN-MC directly.

- **Easy Implementation**
  - Demo Unit
    4 hours Trial
  - DVD guidance programs
    ex. a How-to guide for OPEN-MC

- **OPEN MOTION CONTROLLER**
  - **SLM4000**
    one board stand-alone
    4 pulse train axes control
    32 inputs 32 outputs
    RS232/USB
  - **PLMC-MIIEX**
    plc module type
    MECHATROLINK- II
    4/9/16 axes Max 30 axes
    extension by plc other modules
  - **PLMC40**
    plc module type
    4 pulse train axes control
    16 inputs 16 outputs
    extension by plc other modules
  - **Multi Axes Motion AMP.**
    Motion Control
    Servo AMP. Max 7 Axes
    42 inputs 42 outputs
    (max 256/256) Cable-less